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Claim 4. (Twice amended.) A solid-electrolyte battery comprising:

- an elongated positive electrode;
- a positive electrode terminal welded to said positive electrode;
- an elongated negative electrode disposed opposite to said positive electrode;
- a negative electrode terminal welded to said negative electrode; and
- a solid-electrolyte layer for each of said positive electrode and said negative electrode, wherein

- said solid-electrolyte layers for said positive electrode and said negative electrode are laminated such that they face each other and are wound in the lengthwise direction,
- said solid-electrolyte layers for said positive electrode and said negative electrode are integrated with each other so as to be formed into one continuous seamless layer, and
- said positive electrode, said negative electrode and said solid-electrolyte layer are packaged in a packaging film.

Claim 5. (Once amended.) A solid-electrolyte battery according to claim 4, wherein said solid-electrolyte layer contains swelling solvent and is gelled.

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Claim 7. (Twice amended.) A method of manufacturing a solid-electrolyte battery comprising:

- forming a first solid-electrolyte layer on a positive electrode;
- forming a second solid-electrolyte layer on a negative electrode;
- laminating said positive electrode having said first solid-electrolyte layer formed thereon and said negative electrode having said second solid-electrolyte layer formed thereon such that they face each other, and winding said positive electrode and said negative electrode to form wound electrodes; and
- subjecting said wound electrodes to heat treatment so that said first solid-electrolyte layer formed on said positive electrode and said second solid-electrolyte layer formed on said negative electrode are integrated with each other into one continuous seamless layer.